

Claims

What is claimed is:

1. A method for scheduling a plurality of mobile units for data transmission, the method comprising the steps of:
 - determining a plurality of mobile units that require data transmission;
 - determine power control feedback information for each mobile unit within the plurality of mobile units that require data transmission; and
 - schedule the plurality of mobile units for data transmission based on their power control feedback information.
2. The method of claim 1 further comprises the step of determining C/I information for each mobile unit within the plurality of mobile units and scheduling the plurality of mobile units additionally based on C/I.
3. The method of claim 1 wherein the step of scheduling the plurality of mobile units for data transmission comprises the step of scheduling the plurality of mobile units for data transmission over a common channel shared by the plurality of mobile units.
4. The method of claim 2 wherein the step of determining C/I information for each mobile unit comprises the step of determining feedback information of a common channel.
5. An apparatus for scheduling mobile units for data transmission, the apparatus comprising:
 - a channel statistic estimator, wherein the channel statistic estimator has power control information for a plurality of mobile units as an input and outputs a power-control statistic based on the power control information;
 - a scheduler having the power-control statistic as an input and outputting scheduled mobile units based on the power control statistic.

